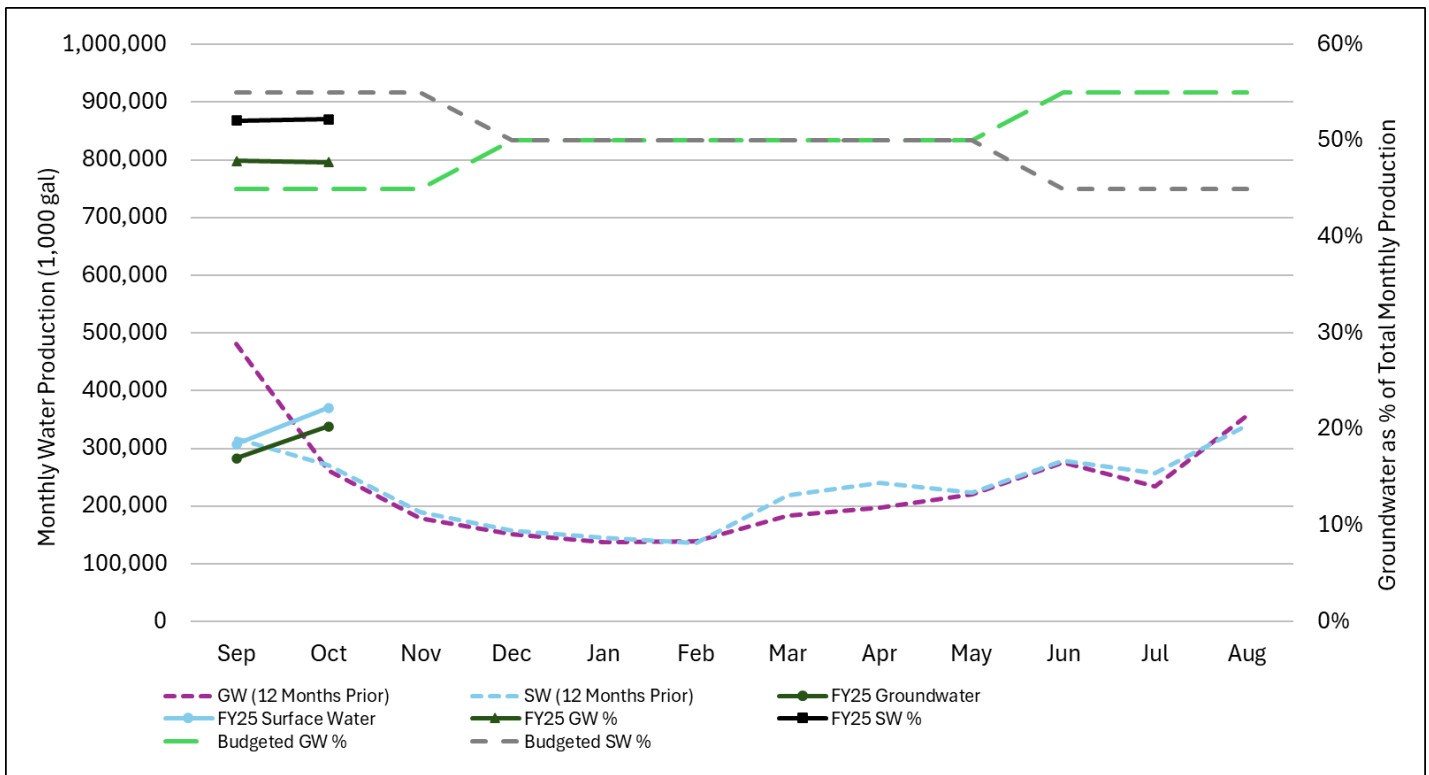
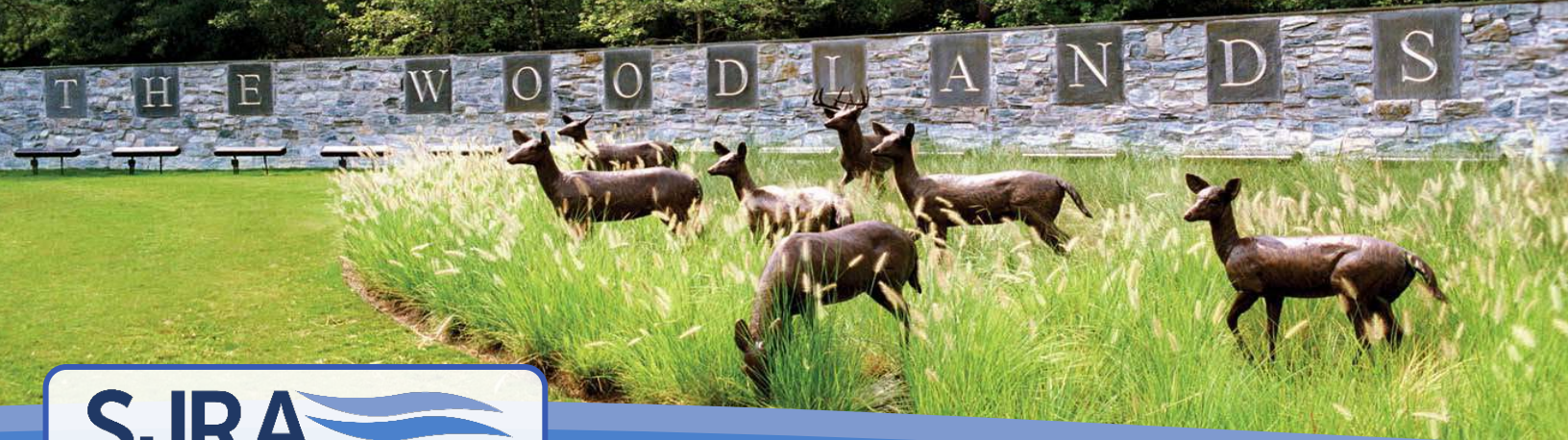
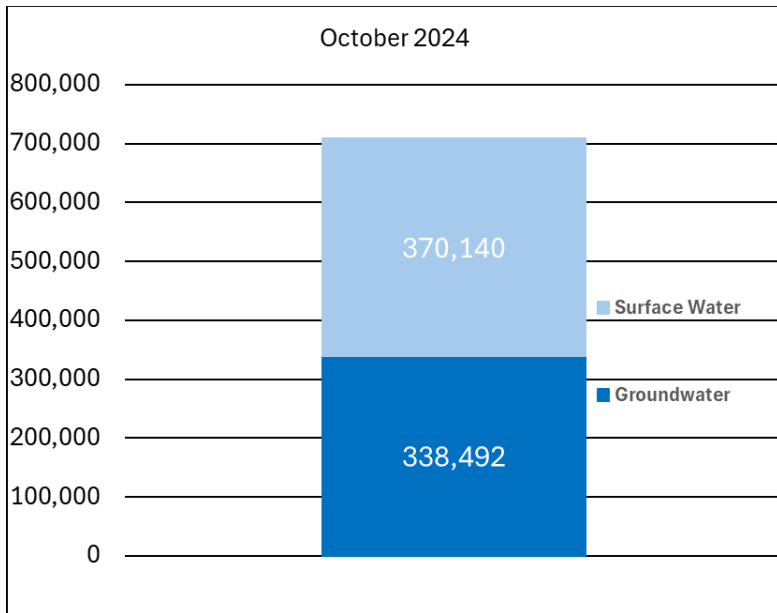


WOODLANDS MONTHLY OPERATIONS REPORT

OCTOBER 2024



FY	Gallons (1,000)		Blend %		Budgeted %	
	Groundwater	Surface Water	Groundwater	Surface Water	Groundwater	Surface Water
2020	3,355,754	2,324,634	59%	41%	65%	35%
2021	2,810,265	2,438,112	54%	46%	65%	35%
2022	3,601,249	2,303,308	61%	39%	65%	35%
2023	3,181,716	2,875,982	53%	47%	50%	50%
2024	2,820,645	2,775,491	50%	50%	50%	50%
(FYTD) 2025	621,261	677,518	48%	52%	50%	50%



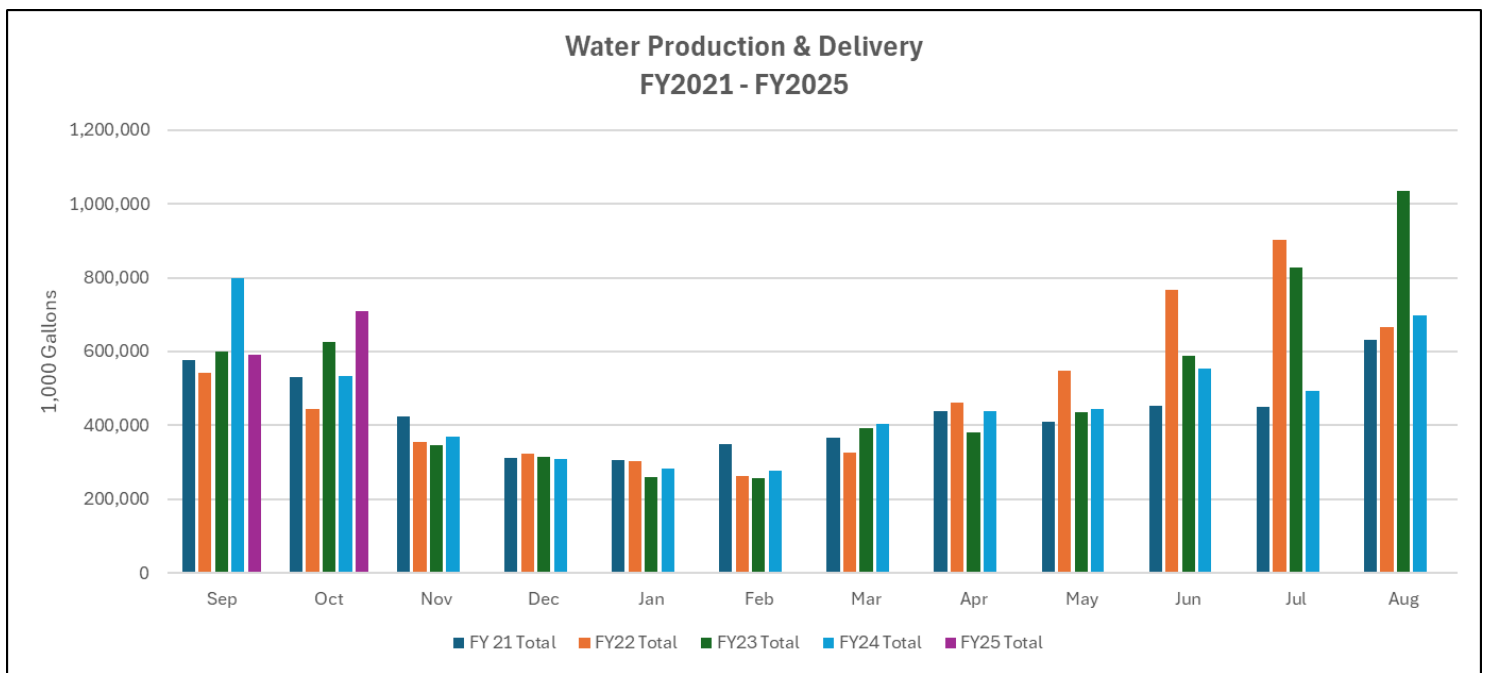
Surface Water 52% Groundwater 48%

Water Loss*		
	Rolling 12	FY25**
Accounted Loss	1.62%	0.3%
Unaccounted Loss	3.48%	5.7%
Total Loss	5.10%	6.0%

*Due to timing of monthly MUD billing, water loss report is one month behind.

**Water loss budgeted at 4.0% for FY2025

Monthly Accounted for Water Loss (Gallons)				
Date	Fire Flow	Flush	Breaks	Cause
October 2024	0	1,273,000	657,778	Water leak data identified in Infrastructure Maintenance below.



WASTEWATER DATA

For the purpose of the Woodlands Monthly Operations Report, monthly wastewater data reported to TCEQ is reported in the following tables.

Parameter	WWTF No. 1		WWTF No. 2		WWTF No. 3	
	Permitted	Reported	Permitted	Reported	Permitted	Reported
Permitted Flow (MGD)	7.8	2.902	6.0	3.482	0.9	0.514
2-Hour Peak Flow (MGD)	18.0	4.61 10.23.24 0"	15.60	5.60 10.06.24 0"	3.6	2.10 10.20.24 0"
Chlorine (mg/l)	0.1	0.03	0.1	0.06	1.0 (min) 4.0 (max)	1.01 3.85
E. coli (colonies per 100 ml)	200	1.0	200	58.0	200	21.0

INFRASTRUCTURE MAINTENANCE

Asset	Location	Purpose	Issue	Out of Service	In Service	Schedule to Repair
12" AC	Lake Front / West of I-45 (behind Target)	Potable water transmission	Leak	10/08/2024	10/09/2024	Old repair clamp started leaking. Section of AC pipe removed and sleeved in PVC
12" PVC	Research Forest and Research Park	Potable water transmission	Contractor Damaged	10/08/2024	10/08/2024	Contractor for Verizon bored through waterline. WWA responded and was believed to be an 8". WWA Contractor repaired
12" PVC	Craftwood and S. Abram Circle	Potable water transmission	Break	10/14/2024	10/14/2024	24" split along the bottom of line. Section of pipe removed and sleeved in new section.
12" AC	Technology Forest and New Trails	Potable water transmission	Contractor Damage	10/18/2024	10/21/2024	Contractor for Crown Castle bored through waterline under pavement in the intersection.
WP-2 BP1	WP2	Increase output capacity	Motor Failure	July 2024	10/18/2024	Motor was repaired and reinstalled. Pump is back in service.
WP-3 BP-4 Replacement	WP-3	Increase output capacity	Capacity	August	Scheduling	Pump base finished, scheduling for pump install

Asset	Location	Purpose	Issue	Out of Service	In Service	Schedule to Repair
Aeration Basins 1 & 2	WWTF No. 1	Biological treatment of wastewater	Structural issues	03/01/2012	HOLD	To be demolished, Awaiting WW Master Plan
LS-6 Electrical Rehabilitation	Lift Station 6	Upgrade obsolete electrical equipment and add a PLC for SCADA control	Replace and elevate new control panels to keep out of flood plain	Remaining in service	Electrical and SCADA panel install complete.	Generator platform complete. Scheduling generator install.
WWTF1 Lift Pump #5	WWTF1	Convey wastewater to the process train	Motor failure	10/30/24	TBD	Pump was removed and sent to Hahn Equipment for repair awaiting diagnostic
WWTF2 Lift Pump #3	WWTF2	Convey wastewater to the process train	Motor failure	10/15/24	TBD	Pump was removed and sent to Hahn Equipment for repair awaiting diagnostic
WWTF3 Lift Pump #2	WWTF3	Convey wastewater to the process train	Pump and motor failure	10/20/24	TBD	Pump was removed and sent to Hahn Equipment for repair awaiting diagnostic
Wells 7, 13 and 30	Varies	Raw water for treatment	Pump failure	Varies	Not Started	Scheduled Repair – FY25

October 2024					
Work Orders	# of Work Orders	Hours Spent	Work Orders	# of Work Orders	Hours Spent
Preventive Maintenance (PM)	295	473.25	Corrective Maintenance (CM)	51	190.00
FYTD (September 1 – October 31)					
Work Orders	# of Work Orders	Hours Spent	Work Orders	# of Work Orders	Hours Spent
Preventive Maintenance (PM)	582	883.05	Corrective Maintenance (CM)	95	320.00

FINANCIALS

Financial data will be delivered at the MUD Director's meeting.

Projects

South Shore Gravity Main Rehabilitation	Location			Design			Design is 90% complete. Coordination underway with Golf Course to get their input on the draft drawings. Temporary access/construction easement acquisition underway.
	The Trails north golf course, the Cove, across Woodlands Parkway to Lake Front Circle			Budget	Contract	Invoiced	
				\$989,170	\$1,097,175	\$499,041	
				Completion Date:	December-24		
	Funding Source(s)			Construction			
	R&R	Bonds		Budget	Contract	Invoiced	
	Phase			\$11,275,000	\$-	\$-	
Final Design			Estimated Start Date		March-25		
WWTF No. 2 Tertiary Filters	Location			Design			Project advertisement documents currently under TWDB review. Advertisement for construction pending completion of TWDB review.
	WWTF No. 2 (5402 Research Forest Dr.)			Budget	Contract	Invoiced	
				\$455,118	\$376,118	\$349,618	
				Estimated Completion Date:	November-24		
	Funding Source(s)			Construction			
	R&R	Bonds		Budget	Contract	Invoiced	
	Phase			\$5,657,000	\$-	\$-	
Final Design			Estimated Start Date		February-25		
Owners Advisor (Evaluation of WWTF No. 1 and Cost Comparison Study)	Location			Design			The development of draft Decision Matrix was discussed with Woodlands Water and submitted as required. Data review and data requests are underway by consultant.
	WWTF No. 1 (2436 Sawdust Rd.)			Budget	Contract	Invoiced	
				\$500,000	\$499,584	\$24,864	
				Completion Date:	May-25		
	Funding Source(s)			Construction			
	R&R			Budget	Contract	Invoiced	
	Phase			NA	NA	NA	
Study			Estimated Start Date		NA		

Projects

Lift Station Rehabilitation	Location		Design			Currently working on installation of generators and new control panels at LS 6, LS 9, and LS 11.	
	All lift stations within SJRA-Woodlands		Budget	Contract	Invoiced		
			\$54,000	\$32,318	\$32,318		
			Completion Date:	August-24			
	Funding Source(s)		Construction				
	R&R			Budget	Contract		Invoiced
	Phase		\$792,000	\$641,744	\$565,423		
Construction		Estimated Completion Date		August-25			
<hr/>							
WWTF No. 2 Headworks Rehabilitation	Location		Design			Final completion for construction was granted on July 23, 2024. Final project closeout pending final invoicing from contractor.	
	WWTF No. 2 (5402 Research Forest Dr.)		Budget	Contract	Invoiced		
			\$244,000	\$375,982	\$299,157		
			Completion Date:	March-23			
	Funding Source(s)		Construction				
		R&R		Budget	Contract		Invoiced
	Phase		\$1,456,000	\$1,785,000	\$1,619,504		
Construction		Completion Date		August-24			
<hr/>							
Lift Station No. 1 Gravity Main Bypass & Decommissioning	Location		Design			The design is approximately 90% complete and is scheduled to be completed by February 2025. SJRA & Consultant working to get easements acquired prior to construction.	
	Northwest corner of Grogan's Mill and Woodlands Parkway		Budget	Contract	Invoiced		
			\$228,150	\$145,163	\$188,185		
			Estimated Completion Date:	February-25			
	Funding Source(s)		Construction				
	R&R			Budget	Contract		Invoiced
	Phase		\$1,252,000	\$-	\$-		
Final Design		Estimated Start Date		July-25			

Projects

Wastewater Conveyance Optimization	Location		Route Study			The route and feasibility study is approximately 95% complete. SJRA is coordinating with consultant and WWA on final recommendations and feasibility.	
	All SJRA sewer lines and lift stations (5) between Woodlands Pkwy/Grogan's Mill, WWTF No. 1, & Panther Branch		Budget	Contract	Invoiced		
			\$730,000	\$747,749	\$614,841		
			Estimated Completion Date:		November-24		
			Design				
			Budget	Contract	Invoiced		
			\$2,718,000	\$-	\$-		
	Estimated Completion Date:		FY 2027				
	Funding Source(s)		Construction				
	Bonds		Budget	Contract	Invoiced		
Phase		\$40,376,000	\$-	\$-			
Study		Estimated Start Date		FY 2027			
Field Services Storage Building	Location		Design			Project is closed-out and archived.	
	WWTF No. 2 (5402 Research Forest Dr.)		Budget	Contract	Invoiced		
			\$41,000	\$33,426	\$33,426		
			Completion Date:		November-23		
	Funding Source(s)		Construction				
	Cash	R&R		Budget	Contract		Invoiced
	Phase		\$469,685	\$475,073	\$282,239		
Construction		Completion Date:		October-24			
Digital Water System	Location		Design			Phase 3 scope development underway for Bentley WaterSight integration to allow for real-time water quality modeling and analysis.	
	Software		Budget	Contract	Invoiced		
			\$250,000	\$248,600	\$248,581		
			Estimated Completion Date:		August-25		
	Funding Source(s)		Construction				
	R&R			Budget	Contract		Invoiced
Phase		NA	NA	NA			
Design		Estimated Start Date		NA			

Projects

Town Center Water Line Renewal	Location			Design			Design is 97% complete. Design completion on hold pending results of AC Water Line Condition Based Assessment project.
	Grogan's Mill between Woodlands Pkwy and Research Forest / Six Pines between N. Millbend and Timberloch / Lake Woodlands Dr. between Hughes Landing Blvd and Pinecroft Dr.			Budget	Contract	Invoiced	
				\$774,000	\$802,866	\$647,650	
				Completion Date:		On-Hold	
	Funding Source(s)			Construction			
	R&R	Bonds		Budget	Contract	Invoiced	
	Phase			TBD	\$-	\$-	
Final Design			Estimated Start Date		TBD		
AC Waterline Condition Based Assessment	Location			Design			Consultant implementing Phase 1 condition-based assessment technologies including destructive and non-destructive testing. Field analysis underway. Phase 2 will focus on more destructive testing in Q1 2025.
	Throughout The Woodlands			Budget	Contract	Invoiced	
				\$1,600,000	\$1,041,579	\$213,038	
				Completion Date:		June-25	
	Funding Source(s)			Construction			
	R&R	Excess Funds		Budget	Contract	Invoiced	
	Phase			NA	NA	NA	
Study			Estimated Start Date		NA		
Water Plant Nos. 1, 2, & 3 Generator Replacement	Location			Design			Generators and equipment have been delivered to the site. Contractor to mobilize early-November after submittals have been submitted, reviewed, and accepted.
	Water Plant 1 - 11439 Slash Pine Water Plant 2 - 6140 Shadow Bend Water Plant 3 - 6698 Alden Bridge			Budget	Contract	Invoiced	
				\$138,519	\$165,199	\$162,293	
				Completion Date:		March-24	
	Funding Source(s)			Construction			
	R&R			Budget	Contract	Invoiced	
	Phase			\$2,994,316	\$3,169,604	\$829,731	
Construction			Estimated Completion Date		October-25		

Projects

Water Well Nos. 5, 11, & 32 Rehabilitation	Location		Design			All three water wells have been placed back into service. Working on contract closeout and final invoicing.
	Well No. 5 - 6140 Shadow Bend Well No. 11 - 10701 Gosling Well No. 32 - 7508 Gosling		Budget	Contract	Invoiced	
			\$119,000	\$-	\$-	
			Completion Date:		March-23	
	Funding Source(s)		Construction			
	R&R		Budget	Contract	Invoiced	
	Phase		\$1,313,000	\$946,984	\$641,397	
Construction		Estimated Completion Date		October-24		
Water Well Nos. 22, 26, & 33 Rehabilitation & Well No. 2 Abandonment	Location		Design			Installation of well equipment underway at Well Nos. 22 and 26. Contractor mobilized to Well No. 33 on October 30, 2024. Abandonment of Water Well No. 2 is completed.
	Well No. 22 - 4111 Marisco Rd. Well No. 26 - 8581 Woodlands Pkwy Well No. 33 - 550 N. Trade Center		Budget	Contract	Invoiced	
			\$114,000	\$-	\$-	
			Completion Date:		February-24	
	Funding Source(s)		Construction			
	R&R		Budget	Contract	Invoiced	
	Phase		\$1,250,000	\$1,346,731	\$14,535	
Construction		Estimated Completion Date		May-25		
Elevated Storage Tank No. 6	Location		Design			Preliminary design is approximately 70% complete. The site layout has been finalized. Updated hydraulic model received late-August 2024. Tank volume analysis underway.
	Southeast corner of Egypt Ln. and Research Forest Dr.		Budget	Contract	Invoiced	
			\$988,000	\$612,047	\$227,486	
			Estimated Completion Date:		August-25	
	Funding Source(s)		Construction			
	R&R		Budget	Contract	Invoiced	
	Phase		\$1,178,000	\$13,750	\$13,750	
Preliminary Design		Estimated Start Date		TBD		

Projects

WWTF No. 2 Grit Classifier	Location			Design			Held kick-off meeting with consultant on September 17, 2024. Surveying and geotechnical investigation site borings have taken place.
	WWTF No. 2 (5401 Research Forest)			Budget	Contract	Invoiced	
				\$97,000	\$106,540	\$6,471	
				Estimated Completion Date:		June-25	
	Funding Source(s)			Construction			
	R&R	Excess Funds		Budget	Contract	Invoiced	
	Phase			\$1,088,000	\$-	\$-	
Final design			Estimated Start Date		TBD		
Water Reclamation Facility No. 1 Land Acquisition	Location			Land Acquisition			Voluntary land acquisition underway for two parcels; all others on-hold pending completion of Owner's Advisor study. Initial site assessments complete.
	Land surrounding WWTF No. 1 (2436 Sawdust)			Budget	Contract	Invoiced	
				\$10,000,000	\$1,226,278	\$179,615	
				Estimated Completion Date:		On-Hold	
	Funding Source(s)			Construction			
	R&R			Budget	Contract	Invoiced	
	Phase			NA	NA	NA	
Procurement			Estimated Start Date		NA		
Town Center Waterline Easements	Location			Design			Land acquisition activities are on-hold pending outcome of AC Waterline Condition Based Assessment
	Grogan's Mill between Woodlands Pkwy and Research Forest / Six Pines			Budget	Contract	Invoiced	
				\$1,533,500	\$-	\$-	
				Estimated Completion Date:		On-Hold	
	Funding Source(s)			Construction			
	R&R	Excess Funds		Budget	Contract	Invoiced	
	Phase			NA	NA	NA	
Procurement			Estimated Start Date		NA		

Green - New Projects

Yellow - Closed Projects

WOODLANDS ACRONYMS AND DEFINITIONS

ACRONYMS

FY	Fiscal Year
FYTD	Fiscal Year To Date
LSGCD	Lone Star Groundwater Conservation District
MGD	Million Gallons Per Day
SJRA	San Jacinto River Authority
TCEQ	Texas Commission on Environmental Quality

DEFINITIONS

SJRA WO Division

Located in southern Montgomery County, the Woodlands Division provides wholesale water supply and wastewater treatment services to the 100,000-plus population of The Woodlands through the financing, construction, operation, and maintenance of three regional wastewater treatment plants, a wastewater conveyance system with 30 lift stations, 5 water plants, 28 eight water wells, 6 elevated and 9 ground storage tanks, and miles of wastewater collection and potable water distribution lines

SJRA GRP Division

Division of the SJRA responsible for GRP compliance, and the management, administration, operation and maintenance of the surface water facilities and surface water transmission system. The GRP Division operates and maintains a 30 MGD surface water treatment facility and 55 miles of transmission water lines.

Surface Water

Surface water comes from rivers and lakes and receives a high degree of treatment and disinfection prior to being distributed to customers.

Groundwater

The water that fills cracks, voids, and other openings in beds of rocks, sand, and soil is called groundwater. It is found in soils and sands that are able to retain the water — much like a sponge holds water — and is constantly replenished by rainfall or snow.

Wastewater Treatment Facility (WWTF) No. 1

WWTF No. 1 is located north of Sawdust Road, has a design capacity of 7.8 million gallons per day (MGD), and is permitted for a 2-hour peak flow of 18.0 MGD. The WWTF receives raw sewage (influent) from residential dwellings and commercial businesses.

Wastewater Treatment Facility (WWTF) No. 2

WWTF No. 2 is located on Research Forest, has a design capacity of 6.0 MGD, and is permitted for a 2-hour peak flow of 15.6 MGD. The WWTF receives raw sewage (influent) from residential dwellings and commercial businesses.

Wastewater Treatment Facility (WWTF) No. 3

WWTF No. 3 is located in Harpers Landing and has a permitted flow of 0.900 MGD. The WWTF receives influent from residential dwellings and a few commercial businesses.

Please visit our website at www.sjra.net/woodlands.